



Sheet ID PS_07556
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Strain name B6:Cg-Gt(ROSA)26Sor^{tm3(rtTA3)Yasu} Col1a1^{tm4(tetO-OSKM.-mCherry)Yasu}

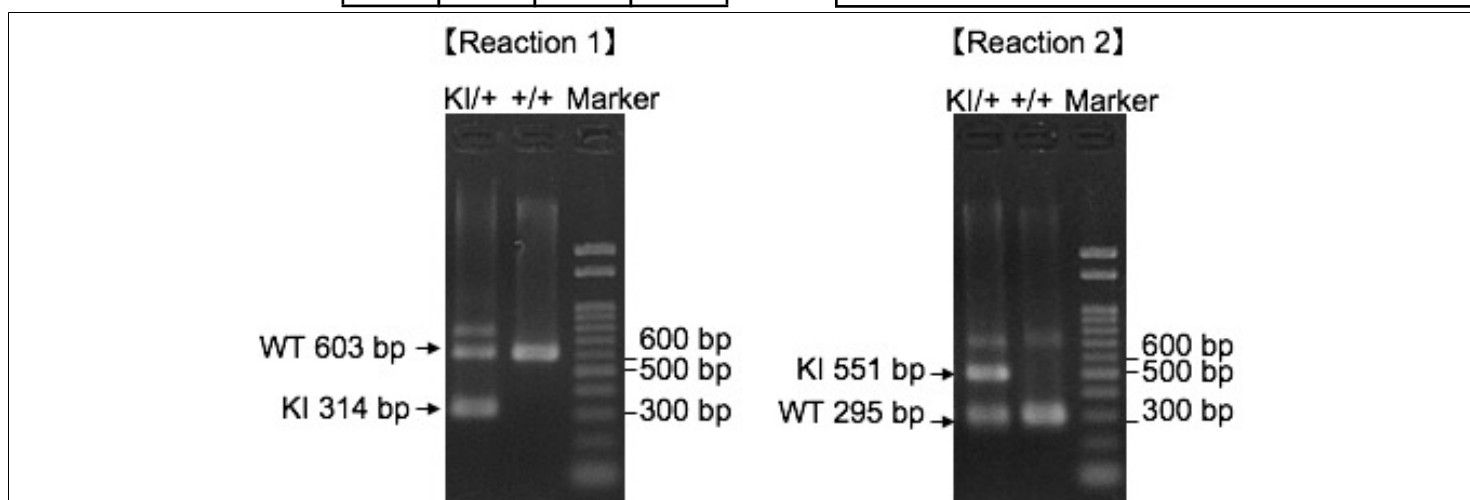
Primer	primer_name	primer_seq	length		Reference
1	R26F2	AAAGTCGCTCTGAGTTGTTAT	21		Nature Genetics 21, 70–71 (1999).
2	oIMR0316	GGAGCGGGAGAAATGGATATG	21		JAX genotyping protocol/Nature Genetics 21, 70 – 71 (1999).
3	oIMR0315	GCGAAGAGTTTGCCTCAACC	21		JAX genotyping protocol/Nature Genetics 21, 70 – 71 (1999).
4	oIMR6725	GCACAGCATTGCGGACATGC	20		JAX Genotyping Protocol
5	oIMR6724	CCCTCCATGTGTGACCAAGG	20		JAX Genotyping Protocol
6	oIMR6726	GCAGAAGCGCGGCCGTCTGG	20		JAX Genotyping Protocol

Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reagent	Conc	Reaction 1	2	3	4	
H2O		1.8	1.8			(μ L)
PCR buffer	2 X	10.0	10.0			
dNTP	2.0 mM	4.0	4.0			
primer 1	10 pmol/ μ l	1.0	0			
primer 2	10 pmol/ μ l	1.0	0			
primer 3	10 pmol/ μ l	1.0	0			
primer 4	10 pmol/ μ l	0	1.0			
primer 5	10 pmol/ μ l	0	1.0			
primer 6	10 pmol/ μ l	0	1.0			
DNA		1.0	1.0			
Taq	1 U/ μ l	0.2	0.2			
						Mark
						Gel
	total	20	20			

[illegible]

Gene Ladder 100 (Wako, Cat. 316-06951)
2% agarose in 1 X TAE (100 V, 30 min)



primer_set		product_size	product (allele type)	
primer 1	primer 2	603 bp	WT	Reaction 1: Gt(ROSA)26Sor +/+ : 603 bp
primer 1	primer 3	314 bp	KI	
primer 4	primer 5	295 bp	WT	KI/+ : 603 bp, 314 bp
primer 5	primer 6	551 bp	KI	Reaction 2: Col1a1
				+/+ : 295 bp
				KI/+ : 295 bp, 551 bp

Comment

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.